

### CLAIM LISTING

1- 28. (Cancelled)

29-37. (Cancelled)

38. (New) An apparatus improving the arrangement of and spatial relationship between both the functional elements of a row crop harvester for mounting to a mobile threshing unit, and a mobile threshing unit, wherein the functional elements of the row crop harvester and the mobile threshing unit include:

- i. a row crop harvester, having a main frame, for attachment to and mounting upon a mobile harvesting threshing unit;
- ii. a first conveyor system in said row crop harvester including a power source, said power source connected to a plurality of row units mounted on said main frame, said row units for harvesting grain material growing upon stalks, said first conveyor system conveying said harvested grain material up a first inclined plane to exits from said first conveyor system;
- iii. a second conveyor system at right angles to said first conveyor system, said second conveyor system receiving said harvested grain material from the exits of said first conveyor system, wherein said second conveyor system comprises a power source, an auger with flighting and a curved trough containing said auger;
- iv. said auger cooperating with said curved trough to convey said harvested grain material from the exits of said first conveyor

system to an area at the center of said auger for exit from said second conveyor system;

- v. a third conveyor system, including a power source, in said mobile threshing unit for retrieving said harvested grain material in said open area and delivering said harvested grain material to the thresher mechanism of said mobile threshing unit,
- vi. said second conveyor system connected to said third conveyor system by an open area between the exit of the second conveyor system and the entrance of said third conveyor system wherein the improvement is comprised of:
  - i. a section of said second conveyor auger trough, located at the center of the auger, allowing said grain and stalk material to pass over said auger trough to the entrance of said third conveyor system, wherein a surface of said auger trough section is substantially flat from the center of the auger trough through the exit of said second conveyor system to the entrance of said third conveyor system; and,
  - ii. a vertical spacer inserted between said row crop harvester attachment and said mobile threshing unit to reduce the difference in height between the entrance of said third conveyor system and the height of the second

conveyor system so that the angle of an incline plane between the second and third conveyor systems is reduced allowing the second conveyor system and the entrance to the third conveyor system to operate in substantially the same horizontal plane.

39. (New) The apparatus in accordance with claim 38 wherein auger flighting is reversed on opposite sides of the centerline of said auger.

40. (New) The apparatus in accordance with claim 38, wherein said first and second conveyor systems are moved vertically upward in relation to said third conveyor system an amount sufficient to reduce the angle of an incline from said second conveyer system exit to the entrance of said third conveyor system.

41. (New) The apparatus in accordance with claim 38, wherein a feeder plate is attached to said second conveyor system for bridging between said second conveyor system and said third conveyor system.

42. (New) The apparatus in accordance with claim 41, wherein said feeder plate is made of elastomeric material to allow movement between said second and third conveyor systems while maintaining the connection between said second and third conveyor systems.

43. (New) The apparatus in accordance with claim 38, wherein the lateral distance between the second and third conveyor systems is reduced by moving laterally the connection of the header unit relative to the mobile threshing unit and thereby reducing the angle of the inclined planes.

44. (New) The apparatus in accordance with claim 43, wherein said lateral movement between said first and second conveyor system and said third conveyor system is by a lateral spacer.

45. (New) The apparatus in accordance with claim 44, wherein the lateral spacer is rectangular in shape.

46. (New) The apparatus in accordance with claim 44, wherein the lateral spacer is a trapezoidal piece between the header unit and the threshing unit.